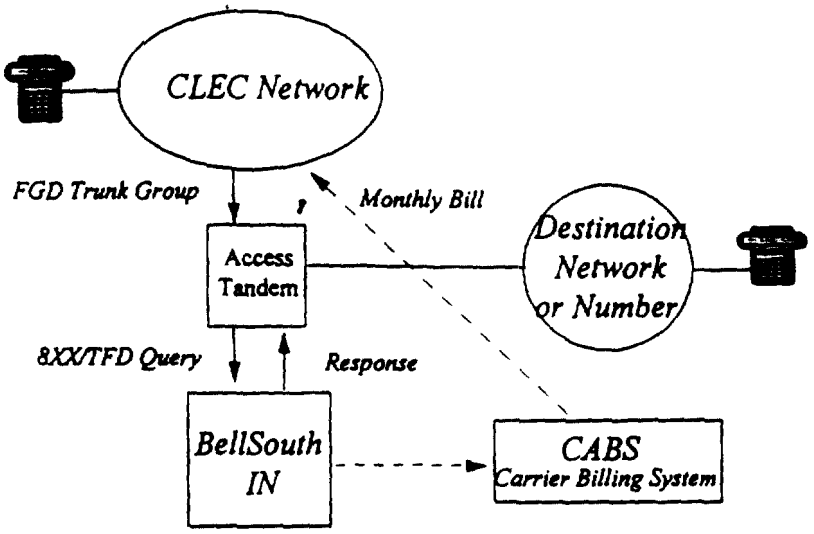

800 Database UNE
Call & Billing Flow
Scenario 2, Customer without SSP

B. OSS Requirements: Updates to EXACT, SOCS, and CABS.

C. Software Requirements: Existing Intelligent Network (IN) based query and response capabilities required.

III. Performance Standards and Reliability:

A. General Description: Performance and reliability standards for this UNE should be identical to those for the tariffed offering.

B. Diversity: The existing fully redundant mated SCP pair arrangement will be used with this UNE. No separate treatment of the UNE version is to be developed.

C. Performance Monitoring: No specific requirements. Network elements to be monitored as part of existing BST network infrastructure monitoring.

D. Special Considerations: None.

IV. OAM&P

A. Intervals for Installation, Repair, etc.

1. Installation
Installation is based on whether the customer is facilities based or is using Unbundled Network Elements i.e., Unbundled Local Switching-Line Port(ULS-LP). If the customer is facilities based and has their own SSP and wants to interconnect with our SS7 Network, then the standard SS7 interconnection interval will apply. Database access will be negotiated on an individual case basis in coordination with SS7 link or local interconnection. If the customer is ULS-LP, then there will be no installation.

2. Repair
Repair will be handled through the appropriate center. For the ULS-LP customers this will be the Unbundled Network Element Center (UNEC) or the General Access Carrier Advocacy Center.

B. Description of Centers Affected

Local Carrier Service Center (LCSC) - Receive and process orders and handle billing inquiries.

Integrated Network Surveillance Administration Center (INSAC)- Provisioning of the appropriate translations in the STPs for SS7 interconnection and trouble resolution.

Unbundled Network Element Center (UNEC) - Receive and process trouble or repair problems.

Access Carrier Advocacy Center (ACAC) - Receive and process trouble or repair problems.

C. Ordering Standards and Order Reception Standards

For a ULS-LP customer, ordering of 800 Database service will not be necessary. This service will be provided based upon their serving central office. For the facilities based provider an Access Service Request (ASR) sent through EXACT will result in a link order being issued for SS7 interconnection. If the customer does not have access to EXACT then a paper copy of the EXACT form should be sent to the LCSC and they in turn will enter the information into EXACT and a link order will be issued. An additional ASR may be needed to provide for database access.

Ordering standards have been updated and are contained in the Access Services Ordering Guidelines (ASOG) published by Bell Communications Research and Facility Based Ordering Guidelines (FBOG) published by BellSouth.

D. Repair Standards and Repair Order Reception Standards:
SS7 link problems will be handled through the Link Maintenance Center under the SS7 interconnection process. Problems with Database access will be handled by INSAC.

E. Service Management:
Service Management for 800 Database is a BellSouth tariffed item. If the customer wishes for BellSouth to be their RespOrg (Responsible Organization) for 800 Database then the existing tariff will apply.

F. Billing and Special Arrangements:
The 800 Database customer will be billed for the quantity of database queries received at the SCP on a monthly basis. It will be the customers responsibility to in turn bill the appropriate carrier.

G. Internal Training Requirements:
Account Team information will be needed for 800 Database training but since it is an existing tariffed service this will be minimal.

H. Staff Support Requirements:
On going staff support will be minimal.

TAB 20

LIDB ACCESS
Technical Service Description

I. Market Service Description

A - Basic Service Features

Line Information Database (LIDB) access provides the subscribing OLEC the capability to query BellSouth's LIDB or validation of Calling Card, Billed-to Third and Collect calls. Subscribing OLECs are required to interface with BellSouth's LIDB locations, as described and listed in NECA 4 Tariff. BellSouth's LIDBs are located in Birmingham, Alabama and Atlanta, Georgia. There are no optional network features directly associated with this service.

B - Basic Service Capabilities

This service is available in to OLECs in the same manner as it is currently available to interexchange carriers. LIDB provides validation of customer Calling Card, Bill-to-Third and Collect calling acceptance.

C - Forecast

Demand used to calculate TELRIC rates is the total offered load on existing systems associated with BellSouth's provision of LIDB access to itself. Demand is CY 1996.

1) **Regional (interstate and intrastate)**
   427,714,139 Queries
2) **State (Interstate and Intrastate)**
   Not Applicable
3) **Geo/wire Center (if applicable)**
   Not Applicable

D - Pricing Structure and Description

1) **NRC (non-recurring charge)**
   Only those associated with facilities that must be installed for transport. These non-recurring charges are as described in T-S-Ds for Switched Access UNEs.
2) **Recurring Charges**

LIDB Common Transport	*$x.xxxxx/ query*
LIDB Validation	*$x.xxxxx/ query*
Originating Point Code Establishment of Change (USOC)	*$xx.xx (non-recurring)*

3) **Credit Terms (for failure to meet commitments)**
   Same as those described in current carrier tariffs for access services.

E - Deployment Schedule

Service can be provided now. Orders will be handled manually until standard ordering procedures are finalized.

F - Distribution Channels

Distribution is accomplished via the LCSC, ASR process.

G - Product Codes, Sales Codes Requirements

Product Code 60; no need for sales codes has been identified.

H - Product Tracking Needs

1) Number of LIDB Queries
2) Need Revenue Account Codes

I - Tariff, Contract or Other Agreement

1) **Tariff Requirements**
   No state PSC tariff requirements have been identified. BellSouth may file Intrastate access tariffs in Georgia and Alabama, should Commissions require ILECs to file tariffs for all services provided to OLECs.
2) **Contract and Contract Administration Requirements**
   Will be provided as part of general contract with OLEC for all BellSouth services requested, absent any state PSC requirements to tariff the service. *LIDB Storage agreement is provided via a separate agreement.*

J - Advertising and Promotion Plans and Requirements

None

K - Customer Training Considerations

None.

L - Staff Support Requirements

1/2 headcount on-going

II. Network Architecture

A - Physical Network Configuration

1) **Switching Requirements**

A switching machine capable of a trunk interface to an American National Standards Institute Signaling System (CCS7) protocol is required.

2) **Signaling**
Common Channel Signaling System 7 (CCS7) formats are employed to convey Transaction Capability Application Part (TCAP) messages from the customer's network to the BellSouth Regional Switching Transfer Point (RSTP; i.e. , LIDB Location). Responses from the LIDB are returned to the same interface with like signaling.

3) **Recording**

Automatic Messages Accounting (AMA) Records are made at the LIDB System Control Point.

4) **Transport**

Transmission facilities and transport termination between the customer SPOI and the LIDB location between the LIDB location and the SCP, represent two-way, diversified digital transmission path from the customer SPOI t to the SCP via a BellSouth designated LIDB location. This transmission path transports queries from the SPOI to the SCP and responses to the SPOI from the SCP in the CCS7 protocol. The technical specifications for the interface required at the SPOI are provided in technical Publication TR-TSV-000905.

5) **Drawing of Network Elements**

See Attached

B - Operational Support System Requirements

DBAS II is the Administrative System that updates LIDB

C - Software Requirements

The Regional Switch Transfer Point machines require software from AT&T

III. Performance Standards & Reliability

A - General Description

LIDB will be provided at par with performance standards described in its existing access tariffs.

B - Diversity Requirements

Subscribing OLEC are required to interface with BellSouth's LIDB Locations, as described and listed in NECA 4 Tariff. BellSouth's LIDBs are located in Birmingham, Alabama and Atlanta, Georgia.

C - Performance Monitoring

Included with monitoring BellSouth does on services provided to itself. OLECs will be using the same database BellSouth uses to validate billing information needed prior to call completion.

D - Special Considerations

None identified.

IV. OAM&P (Ordering, Administration, Maintenance, and Provisioning)

A - Intervals for Installation, Repair

Intervals as negotiated/contracted on an Individual Case Basis (ICB) unless BellSouth later tariffs provision of LIDB to OLECs. Connectivity complements as described in T-S-Ds for network interconnection services required so that service may be provided.

B - Description of Centers Affected and their Roles

Central office Operations management will monitor hardware, software and communications functionality to anticipate and quickly resolve maintenance problems.

C - Ordering Standards and Order Reception Standards

Normal LCSC M&Ps.

D - Repair Standards and Repair Order Reception Standards

Not applicable.

E - Service Management

Central office Operations management will monitor hardware, software and communications functionality to anticipate and quickly resolve maintenance problems.

F - Billing and Special Arrangements

1) **CABS or CRIS**
   CABS (as soon as is available).

2) **Release Requirements**

   May need to bill "Post Facto" until IT/Comptrollers prepared to mechanize billing procedures. In this case, data would need to be tracked manually until systems are functional.

3) **Special Considerations (CLUB, special medium, etc.)**

   None.

G - Internal Training Requirements

Training will be developed for the following Centers and Work Groups as needed:

1) LCSC
2) Billing
3) Account Team
4) DBAC
5) ICONS

H - Staff Support Requirements

1) Initial Roll-Out

Support needed for centers and systems described above for M&P development, training, etc.

2) On-Going Requirements

Support needed for centers and systems described above for on-going updates to systems, documentation and training.

TAB 21

BellSouth Interconnection Services

Technical Service Description

AIN Toolkit 1.0
AIN SMS Access 1.0
(Project Encore)

Iris Regas
Product Manager
404-330-0119

Alan Weatherby
Project Manager
404-529-5407

December 19, 1996

I. Market Service Description

A. Basic Service Features - AIN Toolkit 1.0 is a product that is designed to provide an OLEC (Other Local Exchange Company) with the ability to create and offer AIN service applications to their end users. Service applications are created in a BellSouth-provided Service Creation Environment (SCE) using a BellSouth-provided Graphical User Interface (GUI). AIN SMS Access 1.0 provides access to the SCE and supports administrative activities (e.g., inputting end user specific data or accessing usage reports) associated with the service applications that are created using AIN Toolkit 1.0. **AIN SMS Access 1.0 *is required* in conjunction with AIN Toolkit 1.0.**

B. Basic Service Capabilities

AIN Toolkit 1.0: AIN Toolkit 1.0 will allow subscribers to access SS7 call information and AIN processing capabilities to create customized telephone services to meet the needs of end users. AIN Toolkit 1.0 will support these major classes of applications: routing, incoming call screening, outbound call screening, routing, call analysis reports, or a combination of these.

With AIN Toolkit 1.0, OLECs may create services by accessing a BellSouth provided SCE. The SCE provides a set of tools that allows the OLEC to configure AIN capabilities. The tools include a set of nodes, or pre-defined building blocks of AIN service logic that may be combined to create AIN service applications in the form of Decision Graphs (DGs). Once a particular service application has been verified for network and service integrity, it will be distributed to elements (SCPs) in BellSouth's network and will be available for implementation on end-users' lines. Service activation and deactivation will be at the OLEC's discretion.

The triggers available will be: 1) Off Hook Delay, 2) Termination Attempt, 3) Public Office Dialing Plan, 4) Feature Code, 5) Customized Dialing Plan, 6) Off Hook Immediate. The nodes available will be: Announce & Collect, Announcement, Assign, Bill Carrier, Bill Subscriber, Carrier, Come Into, Comparison, Connection, Counter, Directory Number Validation, Day, Distribute, Flexible Table, Geography, Goto, Increment/Decrement, LATA, Leg Treatment, Length, Match, Percent, Query Parameters, Redirection Party ID, Table, Time, Trunk Group.

B. **Basic Service Capabilities (continued)**

AIN SMS Access 1.0: The BellSouth provided SCE resides in the BellSouth AIN SMS. AIN SMS Access 1.0 provides the interface that allows OLEC personnel to access the SCE to create or modify AIN service applications. AIN SMS Access 1.0 also provides the capability for the OLEC to add or modify service subscription information, view service related information, and access reports (view on-line or download).

AIN SMS Access 1.0 supports access security, data security, and security based on class of users. Access security requires a security card authentication process in addition to log-in and password identifiers to the SMS. AIN SMS Access 1.0 ensures that each BellSouth AIN SMS Access 1.0 customer can access only data that belongs to that customer. In addition, the customer controls which portion of data may be accessed by each of the customer's users. This type of security is based on class of users, which is selected for each user by the customer.

AIN SMS Access 1.0 will interface only with services provided in association with BellSouth's AIN network or AIN service platforms. The BellSouth SMS is not capable of updating information stored on a non-BellSouth platform (SCP, SN, IP, database, etc.).

C. Forecast

BST Company Wide - Estimated Demand for AIN Toolkit 1.0 (UNE)

	1996	*1997*	*1998*	*1999*	*2000*
Subscribers added (in moves)		1	2	2	1
Subscribers disconnected (out moves)		1	1	1	1
Net subscribers for year		0	1	1	0
Year end subscribers (in service quantity)	1	1	2	3	3
Triggers added (in moves)		150	400	2100	3900
Triggers disconnected (out moves)		30	100	450	1000
Net triggers for year		120	300	1650	2900
Year end triggers (in service quantity)	30	150	450	2100	5000
Number of service applications (year end)	1	1	3	4	6

Assumptions for AIN Toolkit 1.0 (UNE):

1. Triggers will be assigned as follows:
   a) 50% of all triggers will be TAT.
   b) 25% of all triggers will be PODP
   c) 10% of all triggers will be OHD
   d) 5% of all triggers will be OHI
   e) 5% of all triggers will be CDP
   f) 5% of all triggers will be FC
2. Average number of calls per day per trigger is 10
3. Average number of days per month is 22

C. Forecast (continued)

BST Company Wide - Estimated Demand for DesignEDGE (Retail/Wholesale)

	1996	*1997*	*1998*	*1999*	*2000*
Subscribers added (in moves)					
Subscribers disconnected (out moves)					
Net subscribers for year					
Year end subscribers (in service quantity)					
Triggers added (in moves)					
Triggers disconnected (out moves)					
Net triggers for year					
Year end triggers (in service quantity)					
Number of service applications (year end)					

Assumptions for DesignEDGE (Retail/Wholesale):

1. Triggers will be assigned as follows:
   a) 50% of all triggers will be TAT
   b) 25% of all triggers will be PODP
   c) 10% of all triggers will be OHD
   d) 5% of all triggers will be OHI
   e) 5% of all triggers will be CDP
   f) 5% of all triggers will be FC
2. Average number of calls per day per trigger is 10
3. Average number of days per month is 22

C. Forecast (continued)

BST Company Wide - Estimated Demand for AIN SMS Access 1.0 (UNE)

	1996	*1997*	*1998*	*1999*	*2000*
Year-end:					
Service Establishments					
Port Connections					
User ID Codes Assigned					
Secure ID Cards Provided					
Storage Units					
Average per Month:					
Storage Units					
Session Minutes					
Premium Session Minutes					

Assumptions for AIN SMS Access 1.0 (UNE):

BST Company Wide - Estimated Demand for PortEDGE (Retail/Wholesale)

	1996	*1997*	*1998*	*1999*	*2000*
Year-end:					
Service Establishments					
Port Connections					
User ID Codes Assigned					
Secure ID Cards Provided					
Storage Units					
Average per Month:					
Storage Units					
Session Minutes					
Premium Session Minutes					

Assumptions for PortEDGE (Retail/Wholesale):

D. Pricing Structure and Description

1. Pricing Strategy and Considerations

AIN Toolkit 1.0 and AIN SMS Access 1.0 will be offered as UNEs via tariff to OLECs. Services with the same or similar functionality may be offered in retail or wholesale tariffs at different prices to ESPs and other non-OLEC customers. For example, there is currently a Limited Service Offering (LSO) tariff in effect in Florida for DesignEDGE service, which is very similar to AIN Toolkit 1.0. Pricing for retail/wholesale AIN services targeted at non-OLECs will be based on a different methodology than pricing for the AIN UNEs, AIN Toolkit 1.0 and AIN SMS Access 1.0.

Many costs for AIN Toolkit 1.0 and DesignEDGE service are common, and many costs for AIN SMS Access 1.0 and PortEDGE service are common. Common costs should be allocated to the OLEC/non-OLEC service offerings according to the forecasted usage.

AIN Toolkit 1.0: In most database query services, the allowable query and response messages are severely limited based on the nature of the particular service application. This greatly simplifies the process of handling a query and its associated response. In contrast, "open" AIN services, including AIN Toolkit 1.0, must be designed to process a wide range of query and response messages and parameters. Consequently, the process of handling queries and responses in "open" AIN services is extremely complex. Also, the wide range of possible query/response messages significantly increases the potential for harm to the network relative to non-"open" database query services. Thus, additional complexity is introduced by the fact that protection mechanisms must be developed and implemented to support "open" AIN services.

The complex database query/response processing mechanisms required for "open" AIN services may be considered a foundation that must be in place to support any level of usage of the AIN by multiple parties. Therefore, much of the cost to develop these mechanisms should be reflected in non-recurring and monthly recurring charges rather than in per usage charges.

Another consideration for "open" AIN services is the recurring cost associated with having a trigger assigned to a line or DN. BellSouth doesn't necessarily know the nature of the service application that an OLEC may create and deploy using an "open" AIN service such as AIN Toolkit 1.0. When such a service application is applied to a line or DN, this introduces the possibility that problems will occur that will require BellSouth intervention to detect and correct. For example, even after the service has been tested and implemented, something

could occur such that the end-user may suddenly be unable to access 911. This potential for unanticipated trouble exists as long as a trigger is assigned.

D. **Pricing Structure and Description (continued)**

AIN SMS Access 1.0: The PortEDGE service that is offered to non-OLECs may be used in conjunction with some of BellSouth's retail AIN services (e.g., BellSouth AIN Virtual Number Call Detail service and BellSouth AdWatch service). These retail services may be sold on a wholesale basis to re-sellers, but BellSouth does not plan to sell these retail services as UNEs. AIN Toolkit 1.0 is what BellSouth will offer as unbundled AIN access. Therefore, AIN SMS Access 1.0 will be sold as a UNE to OLECs only in conjunction with AIN Toolkit 1.0. AIN SMS Access 1.0 will not be sold in conjunction with BellSouth retail or wholesale AIN service offerings.

2. Pricing Terms & Conditions

AIN SMS Access 1.0: AIN SMS Access 1.0 is accessed via a dial/shared port connection at a recommended modem speed of 19.2 Kbps or via ISDN (subject to local availability). The customer will be required to provide terminal hardware and software as specified by BellSouth and either an asynchronous dial modem and access line or an ISDN terminal interface and ISDN access line at the customer's premise. The customer will be responsible for installation, maintenance, and testing of customer provided terminal equipment.

A Port Connection charge is applicable for each simultaneous access capability desired by the customer.

User Identification Codes and Security Cards may be obtained as needed by the customer.

Storage is provided by BellSouth AIN SMS Access 1.0 for customer service configuration information. Multiple configurations may be kept on file and may be activated in the AIN by customer command. Storage charges apply to the amount of storage, measured in kilobytes occupied by a customer's files in the SMS. Storage will be measured on a calendar month and charges for the month will be based on the customer's highest level of storage for the month. A partial unit of storage will be rounded up to the nearest unit for billing purposes.

The SMS keeps a record of system access on a per user basis which includes date, time, and log-in identifiers. Session charges apply when the customer accesses BellSouth AIN SMS Access 1.0 service. Sessions will incur per minute of use charges based on the duration of the session. Sessions performed by BellSouth at the customer's request will incur the Company Performed Session

Charge. Sessions performed by BellSouth during service installation or maintenance will not result in any session charges.

D. **Pricing Structure and Description (continued)**

3. **Price Structure**

AIN Toolkit 1.0: non-recurring charges will apply for the following rate elements:

1. Service Establishment Charge (per state)
   (Includes one set of user documentation - see section I.K. for detail)
   a) Initial Setup
2. Additional copies of user documentation (per set)
3. Trigger Access Charge (per trigger, per DN)
   a) Terminating Attempt
   b) Off-hook Delay
   c) Off-hook Immediate
   d) 10-digit Public Office Dialing Plan (PODP)
   e) 6-digit Public Office Dialing Plan (PODP)
   f) 3-digit Public Office Dialing Plan (PODP)
   g) Customized Dialing Plan (CDP)
   h) Public Office Dialing Plan (PODP) Feature Code
4. Monthly Report (if selected by the subscriber)
   a) per AIN Toolkit 1.0 service subscription
5. Special Study (if selected by the subscriber)
   a) per AIN Toolkit 1.0 service subscription
6. Call Event Report (if selected by the subscriber)
   a) per AIN Toolkit 1.0 service subscription
7. Call Event Special Study (if selected by the subscriber)
   a) per AIN Toolkit 1.0 service subscription
8. Training (if selected by the subscriber)
   a) SS7 signaling and AIN 0.1 messages (two day training session, per attendee)
   b) AIN Toolkit 1.0 (one and a half day training session, per attendee)
   c) AIN SMS Access 1.0 (one and a half day training session, per attendee)

AIN Toolkit 1.0: monthly recurring charges will apply for the following rate elements:

1. Trigger Access Charge (per trigger, per DN)
   a) Terminating Attempt
   b) Off-hook Delay
   c) Off-hook Immediate
   d) 10-digit Public Office Dialing Plan (PODP)
   e) 6-digit Public Office Dialing Plan (PODP)
   f) 3-digit Public Office Dialing Plan (PODP)
   g) Customized Dialing Plan (CDP)

h) Public Office Dialing Plan (PODP) Feature Code

2. SCP Storage Charge (per AIN SMS Access 1.0 service account)
   a) Per 100 kilobytes (or fraction thereof)
3. Monthly Report (if selected by the subscriber)
   a) per AIN Toolkit 1.0 service subscription
4. Call Event Report (if selected by the subscriber)
   a) per AIN Toolkit 1.0 service subscription
5. Query
   a) Per query
6. Type 1 Node (per AIN Toolkit 0.1 service subscription)
   a) Per node, per query

   Type 1 Nodes are:
   - Announcement Node
   - Announce and Collect Node
   - Geographic Decision Node
   - LATA Decision Node
   - Writes to Flexible Table
7. Help Desk Support
   a) Per quarter hour (fractions of a quarter hour will be billed for a full quarter hour)

AIN SMS Access 1.0: *non-recurring charges will apply for the following rate elements:*

8. Service Establishment Charge (per state)
   a) Initial Setup
9. Port Connection
   a) Dial/Shared Access
   b) ISDN Access (where available)
10. User Identification Codes
   a) Per User ID Code
11. Security Card (Per User ID Code)
   a) Initial or Replacement

AIN SMS Access 1.0: *monthly recurring charges will apply for the following rate elements:*

1. Storage
   a) Per Unit
2. Session
   a) Per Minute
3. Company Performed Session
   a) Per Minute
4. Help Desk Support
   a) Per quarter hour (fractions of a quarter hour will be billed for a full quarter hour)

E. **Deployment Schedule** - AIN Toolkit 0.1 will be offered on a ubiquitous basis where technically feasible based on Central Office capabilities. All 5ESS offices in BellSouth will be equipped by first quarter 1997. All DMS 100 offices will be equipped by second quarter 1998. Deployment where capabilities do not exist will be based on a Bona Fide Request basis, and special charges will apply. AIN SMS Access 1.0 via Dial/Shared Port Connection will be offered on a ubiquitous basis. AIN SMS Access 1.0 via ISDN will be offered where technically feasible. Either type of connection (Dial/Shared Port Connection or ISDN) will require appropriately configured customer terminal equipment, software, and access line.

F. **Distribution Channels** - AIN Toolkit 1.0 and AIN SMS Access 1.0 will be supported by the Interconnection Service sales channel Account Teams and the Local Service Request (LSR) process through the Local Customer Service Center (LCSC). The OLEC may place an order for these services by contacting and interacting with his/her Interconnection Services Account Executive. Initially, the OLEC will place an order via phone or fax to his/her AE. The AE will prepare an Access Service Request Form, which will be forwarded to the LCSC, and the LCSC will issue a Service Order. An EDI interface is anticipated in the 1998 timeframe.

(BellSouth does not plan to proactively promote sales of AIN Toolkit 1.0 and AIN SMS Access 1.0.)

G. **Product Codes, Sales Codes Requirements** - Unique Sales Codes for AIN Toolkit 1.0 and AIN SMS Access 1.0 will be provided for LCSC. Unique product codes must be established for AIN Toolkit 1.0 (UNE) and AIN SMS Access (UNE). Similar offerings for ESPs (e.g., DesignEDGE and PortEDGE services) will *not* share product/sales codes with AIN Toolkit 1.0 (UNE) and AIN SMS Access (UNE).

H. Product Tracking Needs

1. Unit Counter for customer specific:
   a) queries
   b) Type 1 nodes
   c) announcement usage
   d) session time
   e) storage
   f) triggers
2. Regional/State/GEO/Wire Center
3. Revenue and ABIS
4. Need customer specific ACNA if billed in CABS

5. Per minutes of Use (MOU) for Usage based
6. Need customer specific operating company number (OCN)
7. Customer specific queries

I. **Tariff, Contract, or Other Agreement**

Tariff Requirements - Access Tariffs will be developed and filed to support AIN Toolkit 1.0 and AIN SMS Access in all jurisdictions (inter-state and intra-state). A Part 69 Waiver has been filed with the FCC requesting approval of DesignEDGE Service (AIN Toolkit 1.0), DesignEDGE based services created by BellSouth, and PortEDGE Service (AIN SMS Access 1.0). Approval is still pending.

Contract and Contract Administration Requirements - Contracts may be required for ITCs, in particular for translating the 204 NXX. The contract for 204 may be best negotiated by the AIN Toolkit 1.0 customer since this NXX will be for their service.

Items that are not included in the AIN Toolkit 1.0 and AIN SMS Access tariffs may be negotiated on a contractual basis, for example:

- special arrangements for training (e.g., customer premise training or more extensive training than the standard offered in the tariffs)
- service creation assistance
- end-user support
- feature interaction analysis
- installation and configuration of customer premise equipment (hardware and software)

J. **Advertising and Promotion Plans and Requirements** - AIN Toolkit 1.0 (UNE) and AIN SMS Access 1.0 (UNE) will not be proactively advertised or promoted. A "fact sheet" type brochure will be developed and maintained at $75K per year.

K. **Customer Training and Documentation Considerations** -

1. Face-to-face customer training will be offered in the AIN Toolkit 1.0 and AIN SMS Access 1.0 tariffs on an optional basis.
2. AIN Toolkit 1.0 provides an on-line HELP function that includes detailed node descriptions.
3. Each subscriber will be provided one set of user documentation including:
   a) AIN Overview
   b) Viewgraph Tutorial. A high level presentation of AIN Toolkit 1.0 concepts in viewgraph format.

c) AIN Toolkit 1.0 Reference Manual. A high level overview of service creation concepts.
d) AIN Toolkit 1.0 Service Subscriber Guide. Provides a brief introduction to AIN installation procedures and overviews of AIN Toolkit 1.0, AIN SMS Access 1.0, SMS and SCE.
e) Customer Premise Requirements. Hardware, software, and communications requirements (and options) in order to use AIN Toolkit 1.0 and AIN SMS Access 1.0.
f) Feature Interaction Considerations. Information regarding potential feature interactions among AIN triggers and switch-based features.
g) AIN SMS Access 1.0 Reference Manual. A set of screen captures with companion notes.
h) Access documentation. Describes how the SMS is accessed.

L. Staff Support Requirements.

		1997	*1998*	*1999*	*2000*
Product Manager (ICS)	PG 59				
Project Manager (AIN IBU)	PG 59				
Project Team (SRU)	PG 58				
AIN IBU	PG 59				
S&T	PG 59				

Further identification of resources is required for BellSouth to allow OLEC central offices to query our AIN SCPs. This will have a profound impact on billing, since BellSouth currently processes billing data from the SSPs. A preliminary view of the resources has been included above.

II. Network Architecture

A. Physical Network Configuration - AIN Toolkit 1.0, utilizes AIN capabilities in the Service Switching Points, SSPs, the Service Control Points, SCPs, as well as the Signaling Transfer Points, STPs and the Service Management System, SMS.

1) **Switching Requirements** - AIN Toolkit 1.0 will use the AIN 0.1 software on the end offices. For full functionality, 5E9.1 is sufficient for all triggers in the 5ESS and NA006 is required for the DMS100 offices. Termination notification messages require 5E10 in the 5ESS and NA006 in the DMS100.
2) **Signaling** - Signaling messages, queries, will utilize the SS7 TCAP messages and AIN 0.1 protocol. The STP does not currently accept AIN 0.1 queries from non-BST SSPs. In the SCCP Called Party Address in the SS7 message, the Subsystem Number is 237. Global Title Translations will be